

Operational Issues and New Missions

- Overview of the current and upcoming European Missions focusing in those with retroreflectors (Otten)
 - Many important Earth sensing and technology missions;
 - ERS-2 and Envisat Programs are each being extended for an additional 3 years;
 - GOCE (gravity field) launch has been delayed until November;
 - SWARM (magnetic field) , Sentinel (land and ocean applications);
- SOHLA-1 - January 2009 (Inoue)
 - vehicle for demonstration of small, low cost technical packages including a micro-GPS instrument;
 - ILRS Issue:
 - spinning of the spacecraft will give us access to the retroarray only a few seconds every few minute revolution period;
- Astro-G – 2012 (Inoue)
 - VLBI antenna VLBI in space;
 - ILRS Issues;
 - Highly elliptical orbit (1000 x 25,000 km);
 - Bi-model, switching operation of the antenna;
 - Short periodic visibilities, second normal points; special data handling procedures; Full rate data option?

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- Precision Expandable Radar Calibration Satellite (Bernhardt);
 - calibrating radars and studying drag and electromagnetic conditions in orbit
 - 1000+ reflectors distributed around the spherical frame
 - studying deployment and dynamics of the structure in space;
- Consideration for an Optical Link for the ACES Mission (Schreiber)
 - Discussion on resolving the range biases;
 - Very useful SPAD application – no optics
- Aircraft detection safety application (Murphy)
 - IR camera and aircraft radio detection beacon using a patched antenna array;
- Update on the Consolidated Laser Ranging Format (Ricklefs)
 - Process is underway – aiming at full implementation in 2009
- Moblas 8 Returns to Operations (Wetzel)

- Posters
 - Satellite Laser Ranging Tracking through the years (Dube)
 - ILRS Web Site Update (Torrence)
 - ANDE Satellite – new mission with 2 satellites coming up in May 2009 (Thomas)